

## IN THE CLAIMS

The status of claims in the case is as follows:

1        1.    [Previously presented] Method for representing any  
2        business process or processes as a set or sets of tuples,  
3        comprising the steps of:

4            defining each of a plurality of processes as a 3-tuple  
5            including a noun, a verb and an attribute; and

6            displaying a selected process as a point in navigation  
7            space.

1        2.    [Original] The method of claim 1, further comprising  
2        the steps of:

3            displaying selection lists, including a noun selection  
4            list, a verb selection list and an attribute selection  
5            list;

6            responsive to user selection of a 3-tuple including  
7            noun, a verb and an attribute from said selection

8 lists, highlighting the point in navigation space  
9 corresponding to said 3-tuple.

10 3. [Previously presented] The method of claim 1,  
11 further comprising the steps of:

12 responsive to user selection of a zoom in action in  
13 connection with a selected process point, determining  
14 if said selected process point is zoomable; and, if so

15 highlighting in a new navigation space the process  
16 points referenced by selected process point  
17 definitions;

18 said zoom actions displaying within nested navigation  
19 space logical changes in context for navigating said  
20 process space to explore or define business processes.

1 4. [Original] The method of claim 3, further comprising  
2 the steps of:

3 responsive to user selection of a zoom out action in

4 connection with a selected process point, determining  
5 if said selected process point is zoomable; and, if so  
  
6 highlighting in a new navigation space the zoomed to  
7 process point.

1 5. [Previously presented] The method of claim 1, further  
2 comprising the steps of:

3 responsive to user selection of a create process  
4 action, accepting and storing a 3-tuple and process  
5 definition in a database of generally represented  
6 business processes.

1 6. [Previously presented] The method of claim 5, further  
2 comprising the steps of:

3 responsive to user selection of a process edit action  
4 in connection with a selected process, displaying the  
5 process definition corresponding to said selected  
6 process for editing said selected process by said user.

1       7.   [Previously presented]   The method of claim 5, further  
2       comprising the steps of:

3               responsive to user selection of a run process action in  
4               connection with a selected process from within the  
5               context of all other defined business processes for an  
6               organization in a multi-dimensional process space,  
7               executing said process.

8       8.   Canceled.

9       9.   [Previously presented]   System for representing any  
10       business process or processes, comprising:

11               a store containing for each of a plurality of said  
12               processes a 3-tuple including a noun, a verb and an  
13               attribute; and

14               a display operable to display a selected process as a  
15               point in navigation space.

1       10.  [Previously presented]   A program storage device  
2       readable by a machine, tangibly embodying a program of

3 instructions executable by a machine to perform method steps  
4 for representing any business processes, said method steps  
5 comprising:

6 defining each of a plurality of said processes as a 3-  
7 tuple including a noun, a verb and an attribute; and

8 displaying a selected process as a point in navigation  
9 space; said point representing logical changes in  
10 context of said navigation space for exploring or  
11 defining business processes.

1 11. [Previously presented] An article of manufacture  
2 comprising:

3 a computer usable medium having computer readable  
4 program code means embodied therein for displaying  
5 representations of any business processes, the computer  
6 readable program means in said article of manufacture  
7 comprising:

8 computer readable program code means for causing a  
9 computer to effect defining each of a plurality of said

10 processes as a 3-tuple including a noun, a verb and an  
11 attribute; and

12 computer readable program code means for causing a  
13 computer to effect displaying a selected process as a  
14 point in navigation space; said process point  
15 representing logical change in context of said  
16 navigation space for exploring or defining business  
17 processes.

1 12. [Original] Method for representing any business  
2 processes comprising the steps of:

3 defining each of a plurality of processes as a 3-tuple  
4 including a noun, a verb and an attribute; and

5 displaying a selected process as a process point in  
6 navigation space; and

7 nesting a first navigation space in a process point in  
8 a second navigation space, said process points  
9 representing logical changes in context of said  
10 navigation spaces for exploring or defining business

11            processes.

1        13. [Original] The method of claim 12, further comprising  
2        the step of displaying said first and second navigation  
3        spaces in two panels within a window display.

1        14. [Original] The method of claim 13, further comprising  
2        the step of displaying within each said navigation space a  
3        noun list, a verb list, and an attribute list.

1        15. [Original] The method of claim 14, further comprising  
2        the step of highlighting a point in each panel together with  
3        the corresponding entries in said lists defining the noun,  
4        verb and attribute dimensions of said highlighted point.

1        16. [Original] The method of claim 12, further comprising  
2        the step of enabling a user to traverse nested navigation  
3        space.

1 17. [Original] The method of claim 12, further comprising  
2 the step of

3 enclosing a process space within a plurality of process  
4 points.

1 18. [Original] Method for defining any current and future  
2 processes of an organization in a manner which facilitates  
3 understanding, use and change, comprising the steps of:

4 providing a business process representation including a  
5 set of points in a display of n-dimensional space, each  
6 point including at least one verb dimension, at least  
7 one noun dimension, and at least one attributes  
8 dimension, said set of points representing logical  
9 changes in context of said n-dimensional space for  
10 exploring or defining business processes; and

11  
12 selecting a said point selectively to view, modify or  
13 execute the business process represented by said point.

1 19. [Currently amended] The method of ~~claim 33~~ claim 18,  
2 further comprising the step of providing in at least one of



3       said dimensions indicia the selection of which displays the  
4       corresponding noun, verb or attribute entries defined by a  
5       particular user.

1       20.   [Original]   A business process representation  
2       comprising:

3             a point in n-dimensional space including at least one  
4             verb dimension, at least one noun dimension, and at  
5             least one attributes dimension; said process point  
6             representing logical change in context of said space  
7             for exploring or defining business processes.

1       21.   [Original]   A program storage device readable by a  
2       machine, tangibly embodying a program of instructions  
3       executable by a machine to perform method steps for  
4       representing business processes, said method steps  
5       comprising

6             defining each of a plurality of processes as a 3-tuple  
7             including a noun, a verb and an attribute; and

8 displaying a selected process as a process point in  
9 navigation space; and

10 nesting a first navigation space in a process point in  
11 a second navigation space;

12 said process points representing logical changes in  
13 context of said navigation space for exploring or  
14 defining business processes.

1 22. [Withdrawn] A program storage device readable by a  
2 machine, tangibly embodying a program of instructions  
3 executable by a machine to perform method steps for  
4 delivering workflow solutions that are immediately useful  
5 for customers and readily modified by said customers, said  
6 method steps comprising:

7 providing to a customer a generic business process  
8 representation including a set of points in n-  
9 dimensional space, each point including at least one  
10 verb dimension, at least one noun dimension, and at  
11 least one attributes dimension; and

12 enabling said customer by selecting a said point to  
13 modify said representation for the process represented  
14 by said point by selectively adding, deleting and  
15 changing a set of actions representing said verb  
16 dimension, a set of managed resource objects  
17 representing said noun dimension, and a set of  
18 expressions representing said attributes dimension,  
19 each said expression being capable of evaluation to a  
20 Boolean value.

1 23. [Currently amended] A program storage device readable  
2 by a machine, tangibly embodying a program of instructions  
3 executable by a machine to perform method steps for  
4 capturing in workflow solutions the policies a business uses  
5 to guide its activities, said method steps comprising:

6 visually displaying in a display panel a navigation  
7 space and a plurality of scrollable lists including a  
8 noun list, a verbs list and an attributes list;

9 responsive to selection of a noun list entry, a verbs  
10 list entry, and an attributes list entry, highlighting  
11 in said navigation space a point representing a process

12           tuple;

13           responsive to selection of two entries from two of said  
14           lists, highlighting in said navigation space a  
15           highlighted plane of points representing process tuples  
16           for all entries in the list not selected;

17           responsive to selection of a highlighted point  
18           displaying the definition of the process represented by  
19           said highlighted point.

1       24. [Withdrawn] A program storage device readable by a  
2       machine, tangibly embodying a program of instructions  
3       executable by a machine to perform method steps for making  
4       known within an overall business context processes impacted  
5       by a policy, said method steps comprising:

6           visually displaying in a display panel a navigation  
7           space and a plurality of scrollable lists including a  
8           noun list, a verbs list and an attributes list;

9           representing in said navigation space a set of points  
10          in n-dimensional space, each said point being a process

11 tuple having a verb dimension, a noun dimension, and an  
12 attributes dimension;

13 responsive to selection of a policy in said attributes  
14 list, highlighting in said navigation space all process  
15 tuples representing process points including said  
16 policy.

1 25. [Withdrawn] A program storage device readable by a  
2 machine, tangibly embodying a program of instructions  
3 executable by a machine to perform method steps for enabling  
4 understanding of the mechanisms, interactions and inter-  
5 relationships of a business process, said method steps  
6 comprising:

7 representing said business process as a set of points  
8 in n-dimensional space including at least one verb  
9 dimension, at least one noun dimension, and at least  
10 one attributes dimension;

11 navigating said space by selecting and opening a  
12 process point to display another process  
13 representation; and

14 extending said space selectively by redefining said  
15 dimensions and grouping scalar definitions into super  
16 scalar values.

1 26. [Original] A program storage device readable by a  
2 machine, tangibly embodying a program of instructions  
3 executable by a machine to perform method steps for defining  
4 current and future processes of an organization in a manner  
5 which facilitates understanding, use and change, said method  
6 steps comprising:

7 providing a business process representation including a  
8 set of points in n-dimensional space, each point  
9 including at least one verb dimension, at least one  
10 noun dimension, and at least one attributes dimension;  
11 said process points representing logical changes in  
12 context of said space for exploring or defining  
13 business processes; and

14 selecting a said point selectively to view, modify or  
15 execute the business process represented by said point.

1       27. [Withdrawn] System for representing any business  
2       processes comprising:

3               means for defining each of a plurality of processes as  
4               a 3-tuple including a noun, a verb and an attribute;

5               means for displaying a selected process as a process  
6               point in navigation space; said process point  
7               representing logical changes in context of navigation  
8               space for exploring or defining business processes.;  
9               and

10              means for nesting a first navigation space in a process  
11              point in a second navigation space.

1       28. [Original] System for defining any current and future  
2       processes of an organization in a manner which facilitates  
3       understanding, use and change, comprising the steps of:

4               means for providing a business process representation  
5               including a set of points in n-dimensional space, each  
6               point including at least one verb dimension, at least  
7               one noun dimension, and at least one attributes  
8               dimension; said points representing logical changes in

9 context of navigation space for exploring or defining  
10 business processes; and

11 means for selecting a said point selectively to view,  
12 modify or execute the business process represented by  
13 said point.

1 29. [Withdrawn] A business process representation,  
2 comprising:

3 a point in n-dimensional space including at least one  
4 verb dimension, at least one noun dimension, and at  
5 least one attributes dimension;

6 said verb dimension representing a set of actions, said  
7 noun dimension representing a managed resource object,  
8 said attributes dimension representing a set of  
9 expressions capable of evaluation to a Boolean value.

1 30. [Withdrawn -- Currently amended] The business process  
2 representation of ~~claim 37~~ claim 29, said set of actions for  
3 said verb dimension including add, delete, change, and



4       determine.

1       31.   [Withdrawn -- Currently amended] The business process  
2       representation of ~~claim 37~~ claim 29, said resource objects  
3       for said noun dimension including account, balance,  
4       customer, loan, teller, interest.

1       32.   [Withdrawn -- Currently amended] The business process  
2       representation of ~~claim 37~~ claim 29, said set of expressions  
3       for said attributes dimension including less than, overdue,  
4       greater than, court order, audit, null.

1       33.   [Withdrawn -- Currently amended] The business process  
2       representation of ~~claim 37~~ claim 29, said verb dimension,  
3       said noun dimension, and said attributes dimension  
4       comprising a process tuple including a verb action, a noun  
5       object, and an attribute expression.

6       34.   [Withdrawn] Method for systematically defining the  
7       current and future business processes of an enterprise,

8 comprising the steps of:

9 providing to a business process representation  
10 including a set of points in n-dimensional space, each  
11 point including at least one verb dimension, at least  
12 one noun dimension, and at least one attributes  
13 dimension; and  
  
14 selectively modifying said representation by  
15 selectively adding, deleting and changing a set of  
16 actions representing said verb dimension, a set of  
17 managed resource objects representing said noun  
18 dimension, and a set of expressions representing said  
19 attributes dimension, each said expression being  
20 capable of evaluation to a Boolean value.

1 35. [Withdrawn -- Currently amended] The method of ~~claim 42~~  
2 claim 34, further comprising the step of:

3 modifying said representation by grouping subsets of  
4 any of said dimension sets.

1 36. [Withdrawn -- Currently amended] The method of ~~claim 43~~  
2 claim 35, further comprising the step of:

3 selectively adding to a dimension new group elements,  
4 thereby combining noncontiguous sets of planes in said  
5 n-dimensional space into a single plane.

1 37. [Withdrawn -- Currently amended] The method of ~~claim 43~~  
2 claim 35, further comprising the step of:

3 selectively subsetting elements of a group of elements  
4 by defining a new elements added to a set as belonging  
5 to an existing element.

1 38. [Withdrawn -- Currently amended] The method of ~~claim 42~~  
2 claim 34, further comprising the steps:

3 responsive to a first user request, prompting said user  
4 for a file name and dimension names and, responsive to  
5 said names, creating a new process space; and

6 responsive to a second user request, displaying to said

7 user a window selectively enabling said user to select  
8 a directory and then within that directory a file or to  
9 enter a name for a file, reading said file, and  
10 creating a new process space main window to reflect the  
11 contents of said file.

1 39. [Withdrawn] Method for enabling automatic  
2 interpretation of processes, comprising the steps of:

3 defining process space as a set of points in n-  
4 dimensional space, each point including at least one  
5 verb dimension, at least one noun dimension, and at  
6 least one attributes dimension;

7 said verb dimension, said noun dimension, and said  
8 attributes dimension comprising a process tuple  
9 including a verb action, a noun object, and an  
10 attribute expression;

11 naming a group of points in said process space as a  
12 named noun and adding said named noun to said noun  
13 dimension as a noun object; and

14 selectively defining processes using existing or new  
15 verbs for said named noun.

1 40. [Original] A program storage device readable by a  
2 machine, tangibly embodying a program of instructions  
3 executable by a machine to perform method steps for  
4 systematically defining the current and future business  
5 processes of an enterprise, said method steps comprising:

6 providing to a business process representation  
7 including a set of points in n-dimensional space, each  
8 point including at least one verb dimension, at least  
9 one noun dimension, and at least one attributes  
10 dimension; and

11 selectively modifying said representation by  
12 selectively adding, deleting and changing a set of  
13 actions representing said verb dimension, a set of  
14 managed resource objects representing said noun  
15 dimension, and a set of expressions representing said  
16 attributes dimension, each said expression being  
17 capable of evaluation to a Boolean value.

1 41. [Original] System for capturing in workflow solutions  
2 the policies a business uses to guide its activities,  
3 comprising:

4 a display panel for displaying a navigation space and a  
5 plurality of scrollable lists including a noun list, a  
6 verbs list and an attributes list;

7 said display panel being operable for highlighting in  
8 said navigation space a point representing a process  
9 tuple responsive to user selection of a noun list  
10 entry, a verbs list entry, and an attributes list  
11 entry;

12 means responsive to selection of two entries from two  
13 of said lists, highlighting in said navigation space a  
14 highlighted plane of points representing process tuples  
15 for all entries in the list not selected, and  
16 responsive to selection of a highlighted point  
17 displaying the definition of the process represented by  
18 said highlighted point.

1 42. [Withdrawn] Method for representing business processes

2 comprising the steps of:

3 defining each of a plurality of processes as a 3-tuple  
4 including a noun, a verb and an attribute; and

5 displaying a selected process as a process point in  
6 navigation space;

7 nesting a first navigation space in a process point in  
8 a second navigation space; and

9 nesting a second process space within a first process  
10 responsive to user reference to a second process in the  
11 definition of said first process.

1 43. [Withdrawn -- Currently amended] The method of ~~claim~~  
2 ~~60~~ claim 42, further comprising the steps of

3 providing within said nested space the union of all  
4 elements referenced in all process definitions within  
5 said nested space as minimal values of each said  
6 dimension; and

7           adjusting the values of each said dimension to  
8           encompass any new user entered nouns, verbs or  
9           attributes.

1       44. [Withdrawn -- Currently amended] The method of ~~claim 60~~  
2       claim 42, further comprising the steps of

3           enabling a user to traverse nested navigation space;  
4           and

5           responsive to said user traversing from a first process  
6           space to a process space nested within a point in said  
7           first process space, highlighting in the nested space  
8           those process points explicitly referenced in said  
9           point in said first process space.

Claims 45-62. [Canceled]